



**SANGHI INDUSTRIES LIMITED**  
**QUALITY CONTROL LABORATORY**

Sanghipuram - 370 511.

Turning Dreams into Concrete Reality Tal. : Abdasa, Dist. : Kutch, State : Gujarat



CM/L 7431062

(NABL ACCREDITED LABORATORY)

T - 1233, T - 1234

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Page No. : 1/1  
Certificate No. : CMD/OPC/21/03/15  
Date : 22.03.2015  
Material : CEMENT OPC 53 GR  
Lab Code : 80/CM/21  
Sample Received From : Packing Plant  
Address : SIL-Sanghipuram  
Reference : Day Average Com. Despatch  
Testing Started On : 22.03.2015  
Tested as per : IS 4031 & IS 4032  
Date of Sample : 21.03.2015  
Month : 03  
Week : 12

NABL/TP/F30

Issue No.5, Amnd.No.: 00, Eff. Dt. : 20.11.2012

## TEST CERTIFICATE

PARAMETERS TESTED	REQUIREMENTS AS PER IS 12269 : 2013 / CUSTOMER	RESULTS OBTAINED
<b>1.Chemical Testing</b>		
Loss on Ignition	LESS THAN 4.00%	1.96
Insoluble Residue	LESS THAN 4.00%	1.90
SO <sub>3</sub>	LESS THAN 3.50%	2.71
MgO	LESS THAN 6.00%	3.22
Chloride	LESS THAN 0.10%	0.054
LSF	0.80% To 1.02%	0.90
AM	MORE THAN 0.66%	1.32
C3A	-	7.39
<b>2.Mechanical Testing</b>		
Specific Surface	MORE THAN 225.00M <sup>2</sup> /KG	305
Normal Consistency		28.75
Setting Time - Initial	MORE THAN 30.00MIN	175
Setting Time - Final	LESS THAN 600.00MIN	200
Soundness Lechatelier	LESS THAN 10.00MM	1.0
Soundness Autoclave	LESS THAN 0.80%	0.088
Comp. Strength - 1 Day	MORE THAN 20.00MPA	22.5
Comp. Strength - 3 Days	MORE THAN 27.00MPA	38.0
Comp. Strength - 7 Days	MORE THAN 37.00MPA	51.5
Comp. Strength - 28 Days	MORE THAN 53.00MPA	66.5

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### Conditions :

1. The test results pertain to the sample received only.
2. This report is being issued with a specific understanding that SIL QC LAB will not in any way be involved in action following the interpretation of above results.
3. This report shall not be re-produced except in full without written approval from SIL

Authorised Signatory

Quality Manager